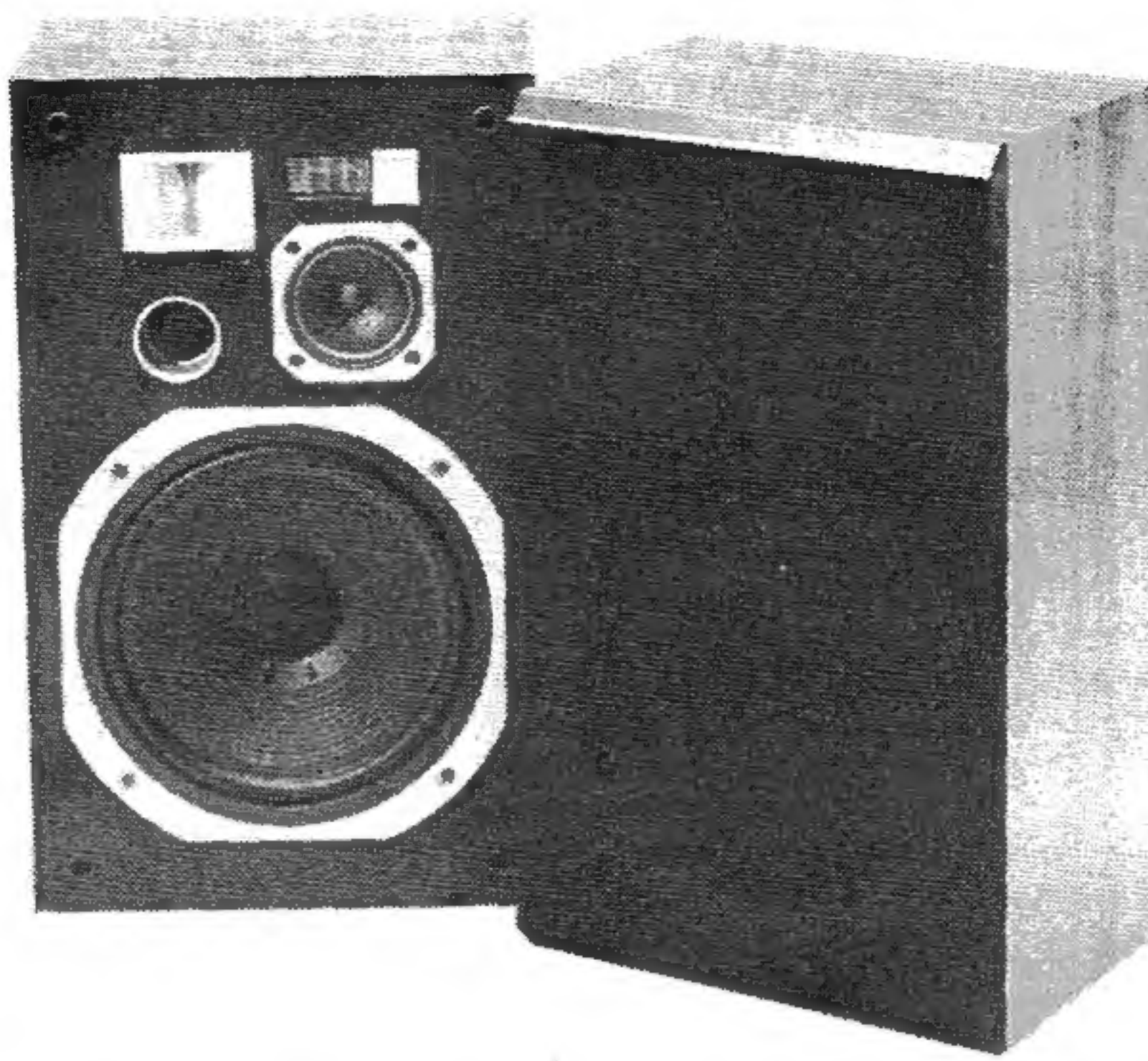


PIONEER®



The model shown in this photo is CS-403.

**ORDER NO.
ART-690-0**

Service Manual

SPEAKER SYSTEM **CS-403** / E, XC **CS-303** / E, XC **CS-203** / E, XC

SPECIFICATIONS

NOTE:

Specifications and design subject to possible modification without notice due to improvements.

CS-403

Enclosure Book-shelf style, Bass-reflex type
System 3-way, 3-speakers system
Speakers
Woofer 30cm (12in) cone type
Mid range 10cm (4in) cone type
Tweeter Horn-loaded Ribon type
Impedance 8 ohms
Frequency range 40 to 40,000Hz
Sensitivity 93dB/W (at 1-meter distance)
Maximum Input Power 80W
Nominal Input Power 40W
Recommended Amplifier Power 10 to 100W
Crossover Frequency 2kHz, 4kHz
Weight 12kg (26lb 7oz)
Dimensions 380(W) x 630(H) x 263(D)mm
14-31/32(W) x 24-13/16(H) x 10-11/32(D)in
Accessory Parts Speaker cords x 1
Operating guide x 1

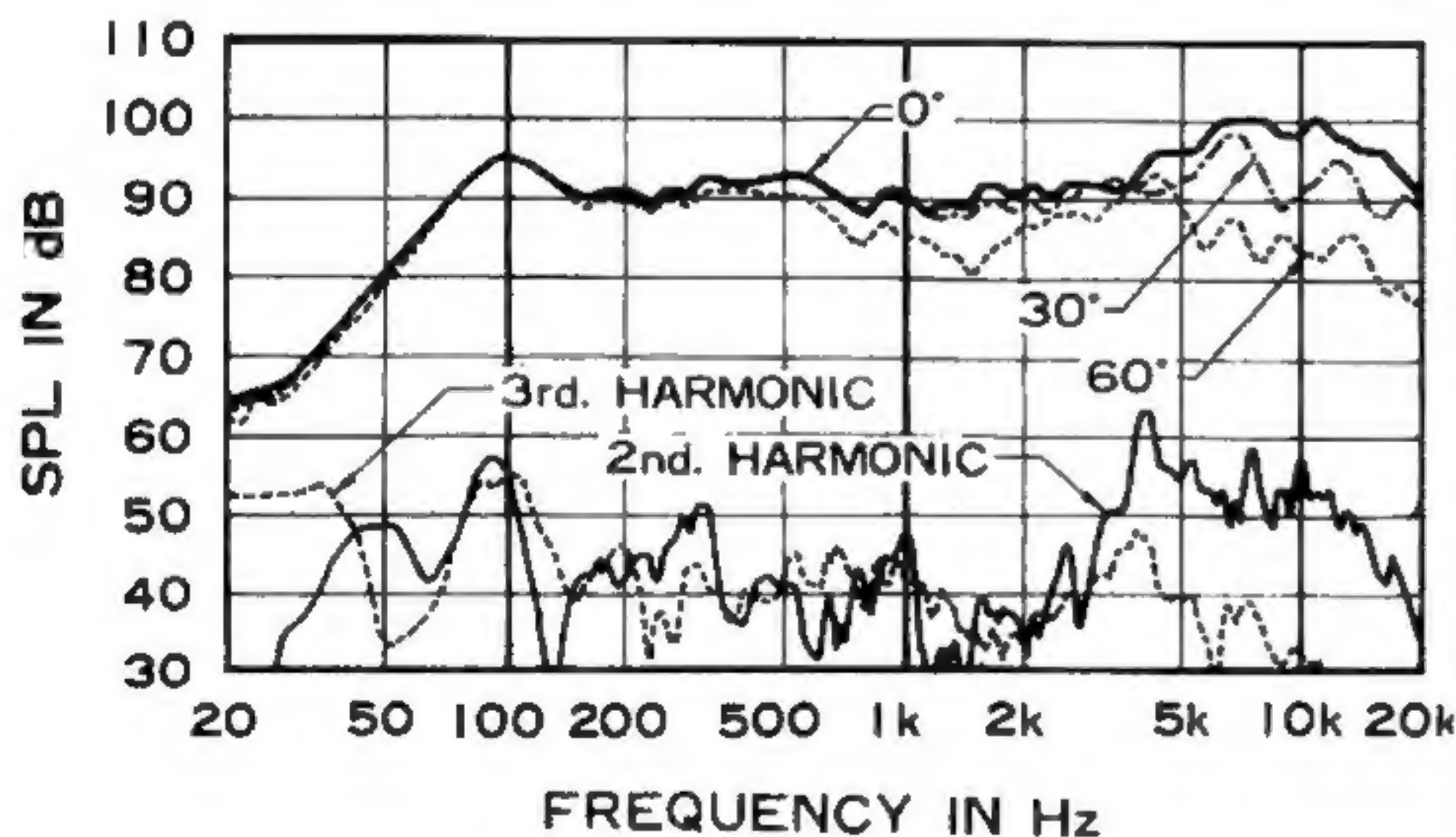
CS-303

Enclosure Book-shelf style, Bass-reflex type
System 3-way, 3-speakers system
Speakers
Woofer 25cm (9-7/8in) cone type
Mid range 6.6cm (2-5/8in) cone type
Tweeter Horn-loaded Ribon type
Impedance 8 ohms
Frequency range 45 to 40,000Hz
Sensitivity 92dB/W (at 1-meter distance)
Maximum Input Power 60W
Nominal Input Power 30W
Recommended Amplifier Power 10 to 80W
Crossover Frequency 4kHz, 6kHz
Weight 8.5kg (18lb 12oz)
Dimensions 335(W) x 555(H) x 248(D)mm
13-3/16(W) x 21-27/32(H) x 9-3/4(D)in
Accessory Parts Speaker cords x 1
Operating guide x 1

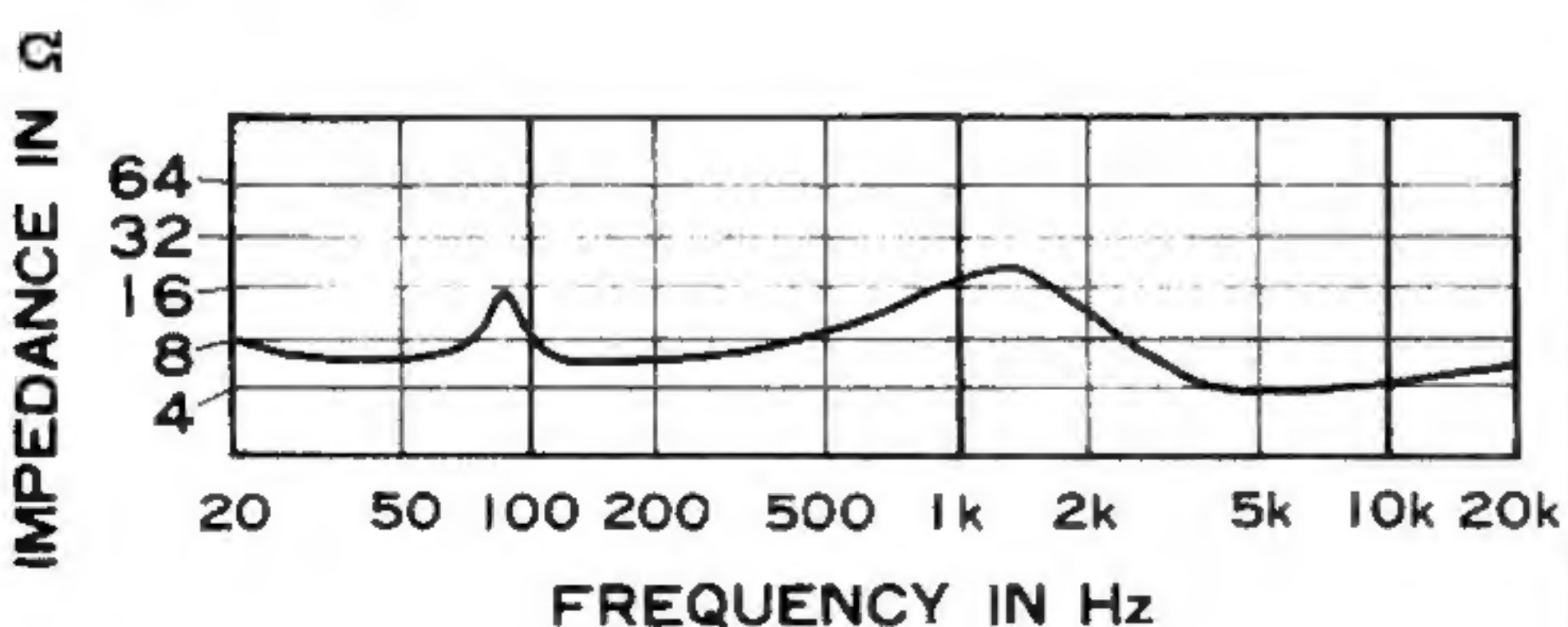
CS-203

Enclosure Book-shelf style, Bass-reflex type
System 3-way 3-speakers system
Speakers
Woofer 20cm (7-7/8in) cone type
Mid range 6.6cm (2-5/8in) cone type
Tweeter 5.2cm (2-1/16in) cone type
Impedance 8 ohms
Frequency range 50 to 20,000Hz
Sensitivity 91dB/W (at 1-meter distance)
Maximum Input Power 40W
Nominal Input Power 20W
Recommended Amplifier Power 10 to 60W
Crossover Frequency 4.5kHz, 6kHz
Weight 6kg (13lb 3oz)
Dimensions 300(W) x 500(H) x 215(D)mm
11-13/16(W) x 19-11/16(H) x 8-15/32(D)in
Accessory Parts Speaker cords x 1
Operating guide x 1

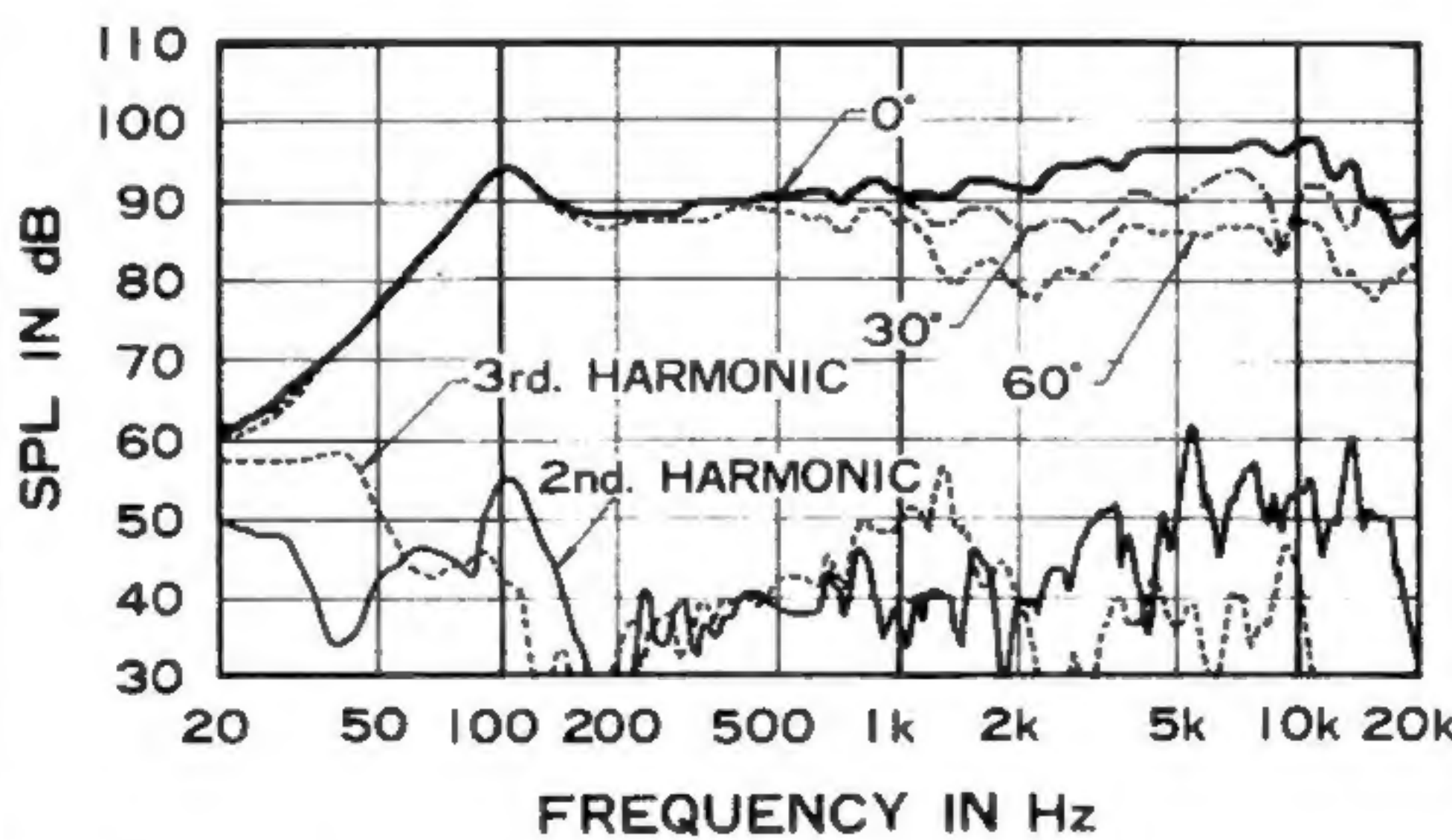
FREQUENCY RESPONSE & HARMONIC DISTORTION



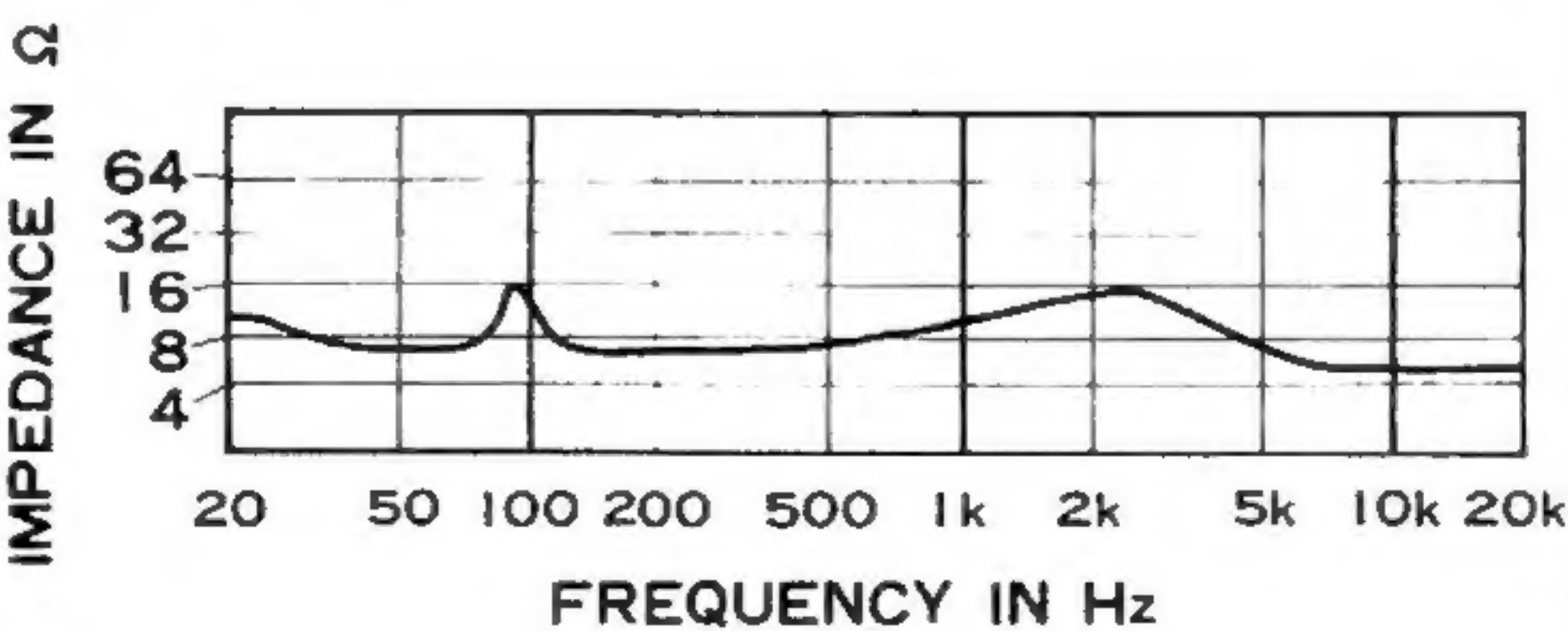
IMPEDANCE



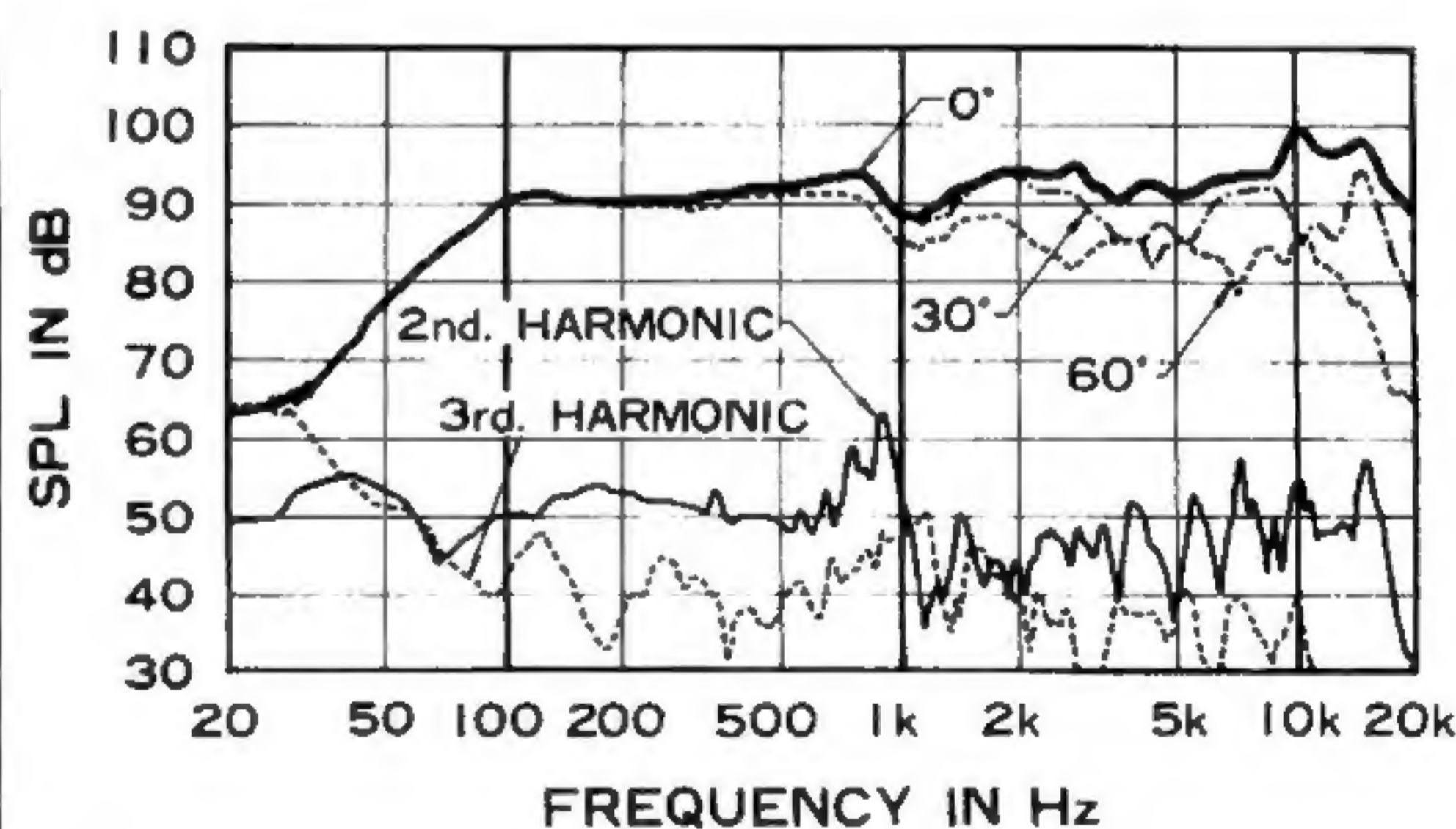
FREQUENCY RESPONSE & HARMONIC DISTORTION



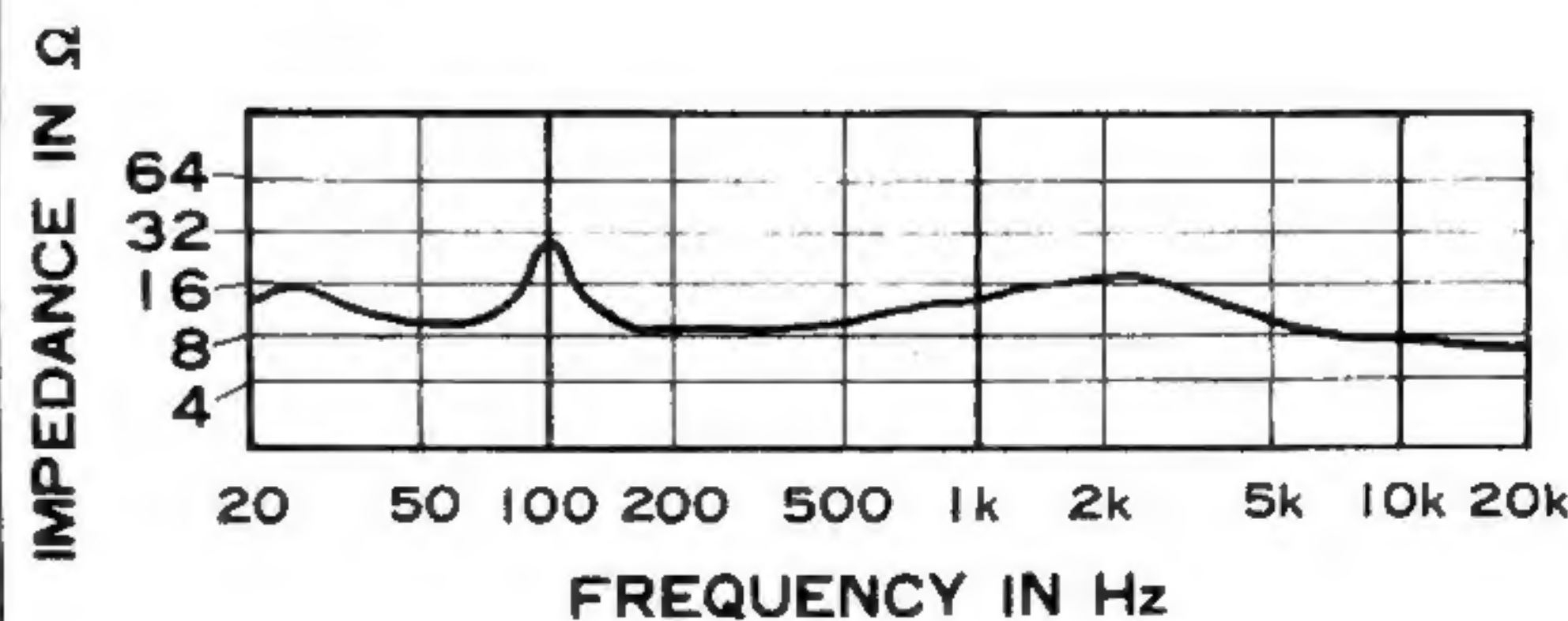
IMPEDANCE



FREQUENCY RESPONSE & HARMONIC DISTORTION



IMPEDANCE



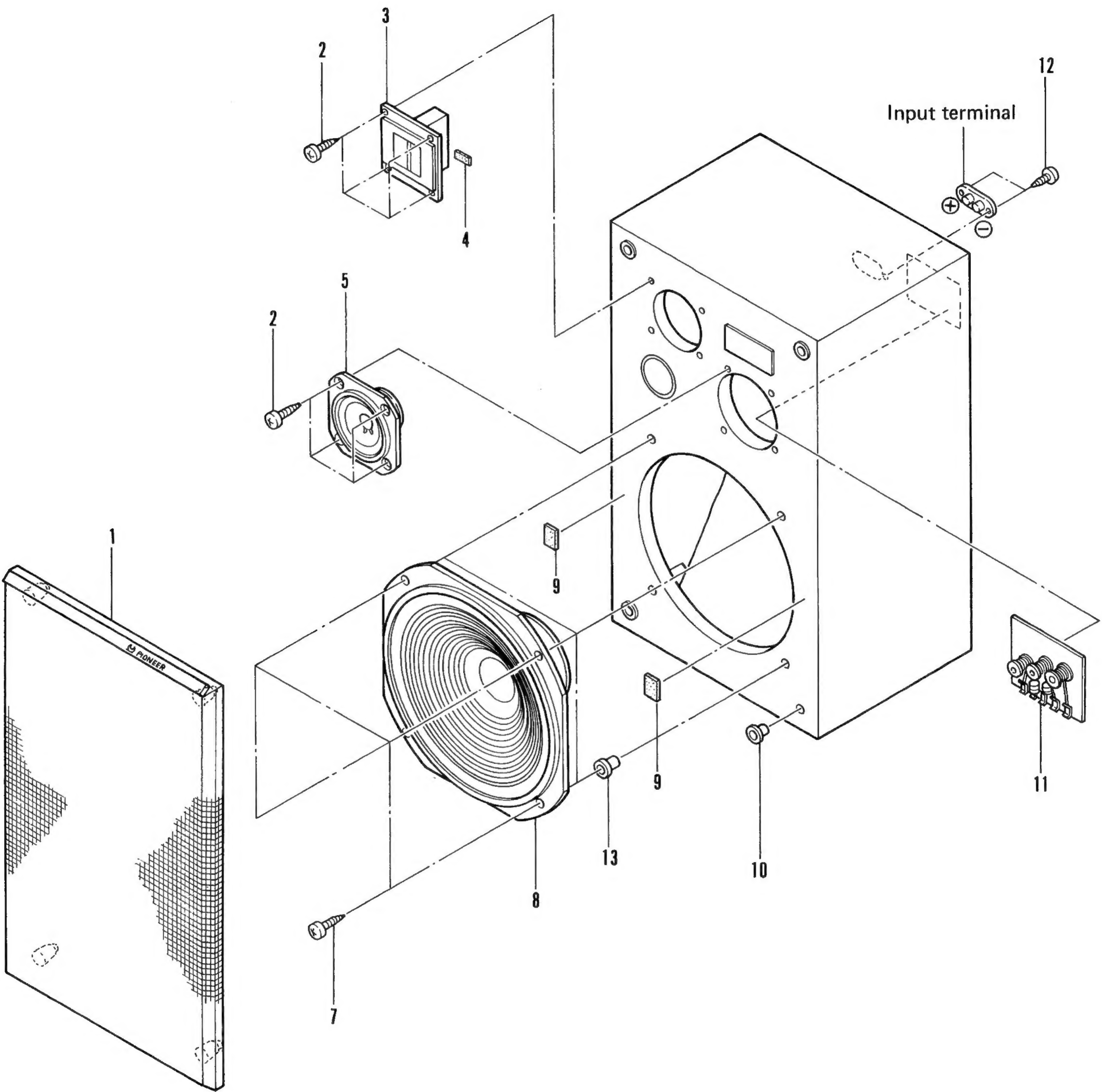
PIONEER ELECTRONIC CORPORATION 4-1, Meguro 1-Chome, Meguro-ku, Tokyo 153, Japan
U.S. PIONEER ELECTRONICS CORPORATION 85 Oxford Drive, Moonachie, New Jersey 07074, U.S.A.
PIONEER ELECTRONIC (EUROPE) N.V. Luithagen-Haven 9, 2030 Antwerp, Belgium
PIONEER ELECTRONICS AUSTRALIA PTY. LTD. 178-184 Boundary Road, Braeside, Victoria 3195, Australia

MAR. 1981

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EXPLODED VIEW AND PARTS LIST

Exploded View



NOTES:

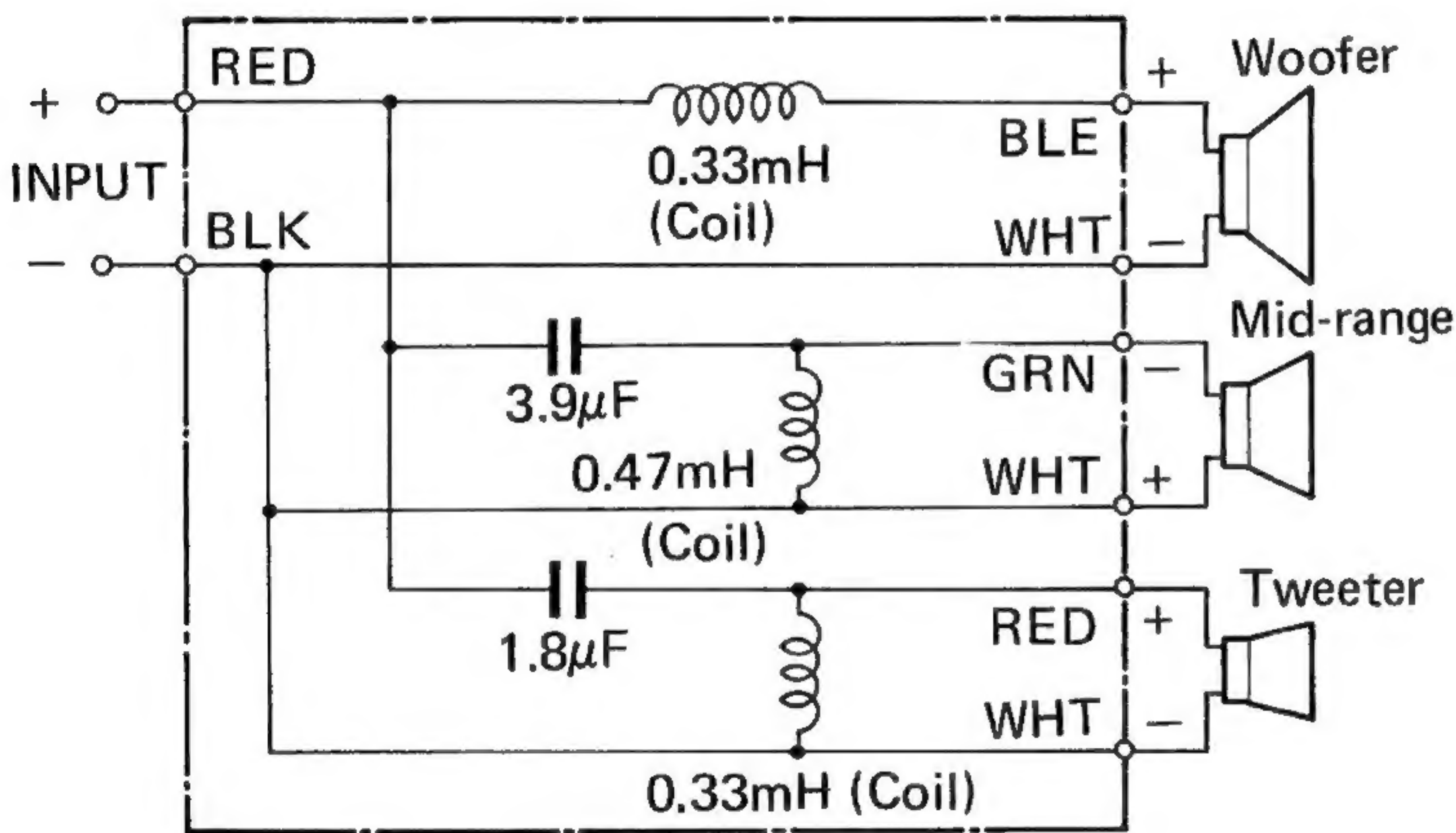
- Parts without part number cannot be supplied.
- For your Parts Stock Control, the fast moving items are indicated with the symbols **★★** and **★**.
★★ GENERALLY MOVES FASTER THAN ★.
This classification shall be adjusted by each distributor because it depends on model No., temperature, humidity, etc.

Parts List

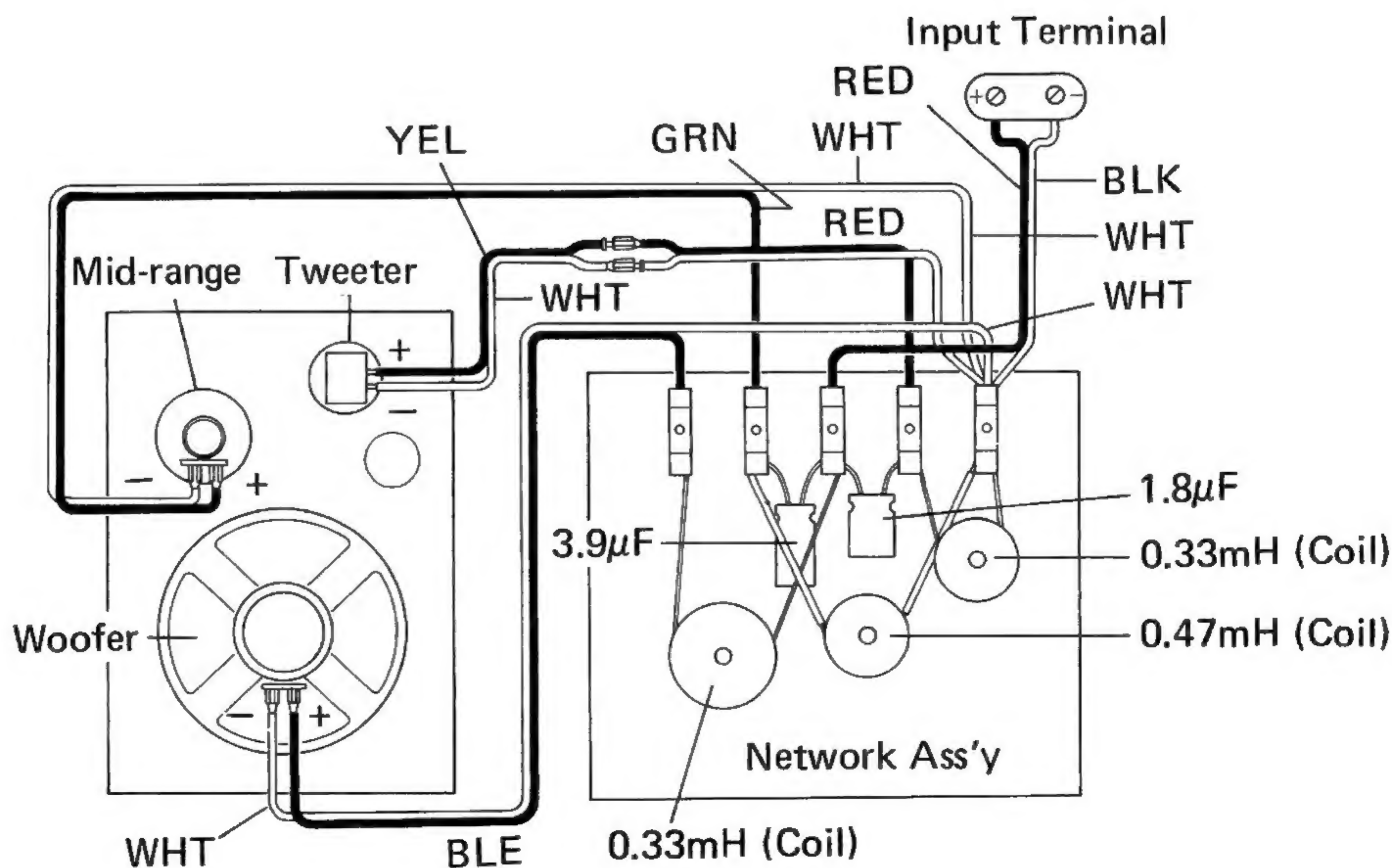
Mark	No.	Part No.	Description	Mark	No.	Part No.	Description
	1.	SMG-245	Grill		11.	SWN-289	Network assembly
	2.	BYC40P200FZK	Screw		12.	RWC31P130FZK	Screw
★★	3.	PT-R01A	Tweeter		13.	SNK-538	Spacer
	4.	SEC-401	Packing				
★★	5.	10-737A	Mid-Range				
	6.					
	7.	BYC50P250FZK	Screw				
★★	8.	30-761A	Woofers				
	9.	SEC-443	Packing				
	10.	SNK-592	Catch				

NETWORK ASSEMBLY (SWN-289)

■ Circuit Diagram



■ Wiring



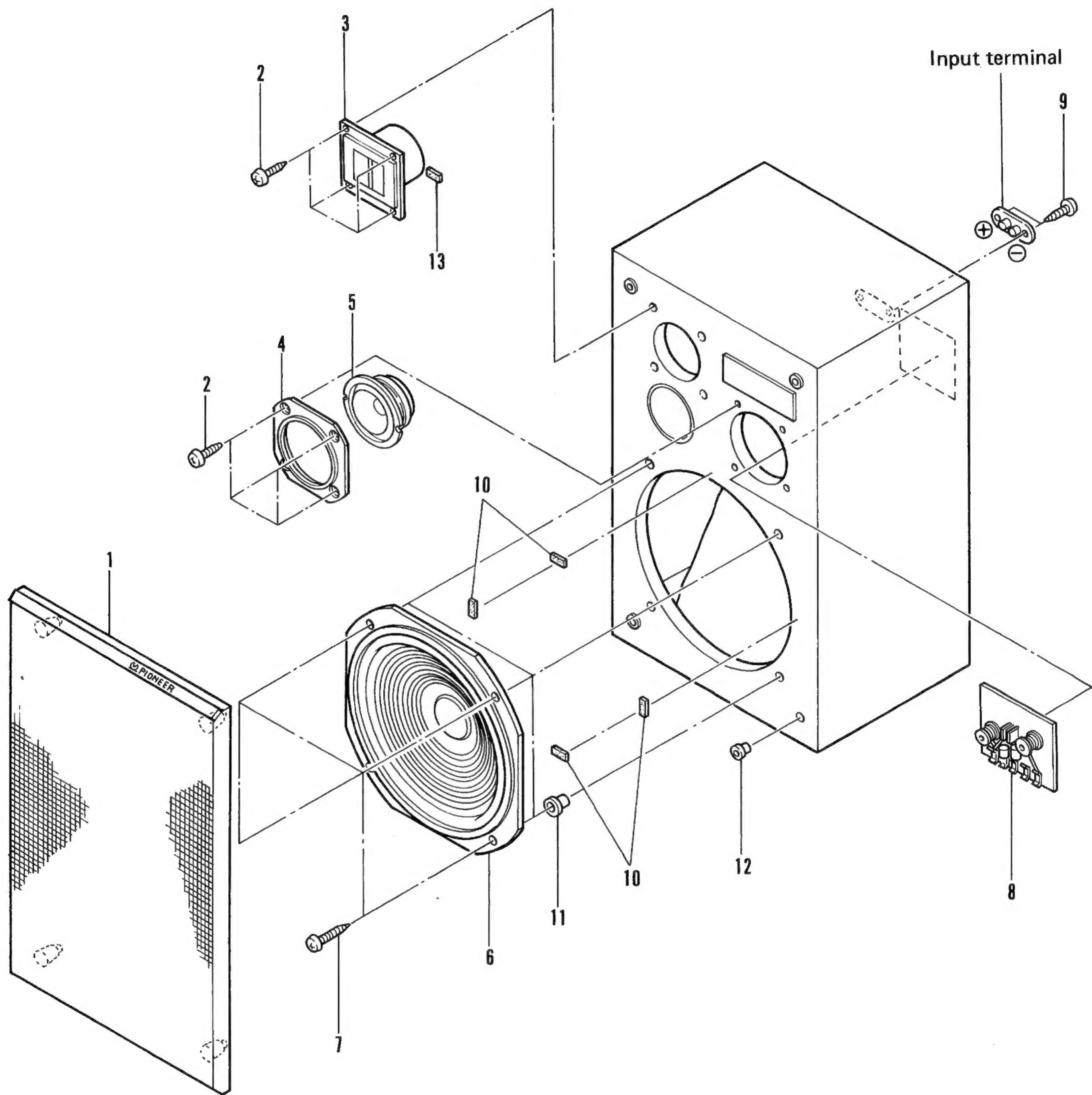
CS-403

■ Parts List

Mark	Part No.	Symbol & Description
	CES04 3R9K 63	Capacitor
	CES04 1R8K 63	Capacitor
	KKA-002	Input terminal

EXPLODED VIEW AND PARTS LIST

Exploded View



NOTES:

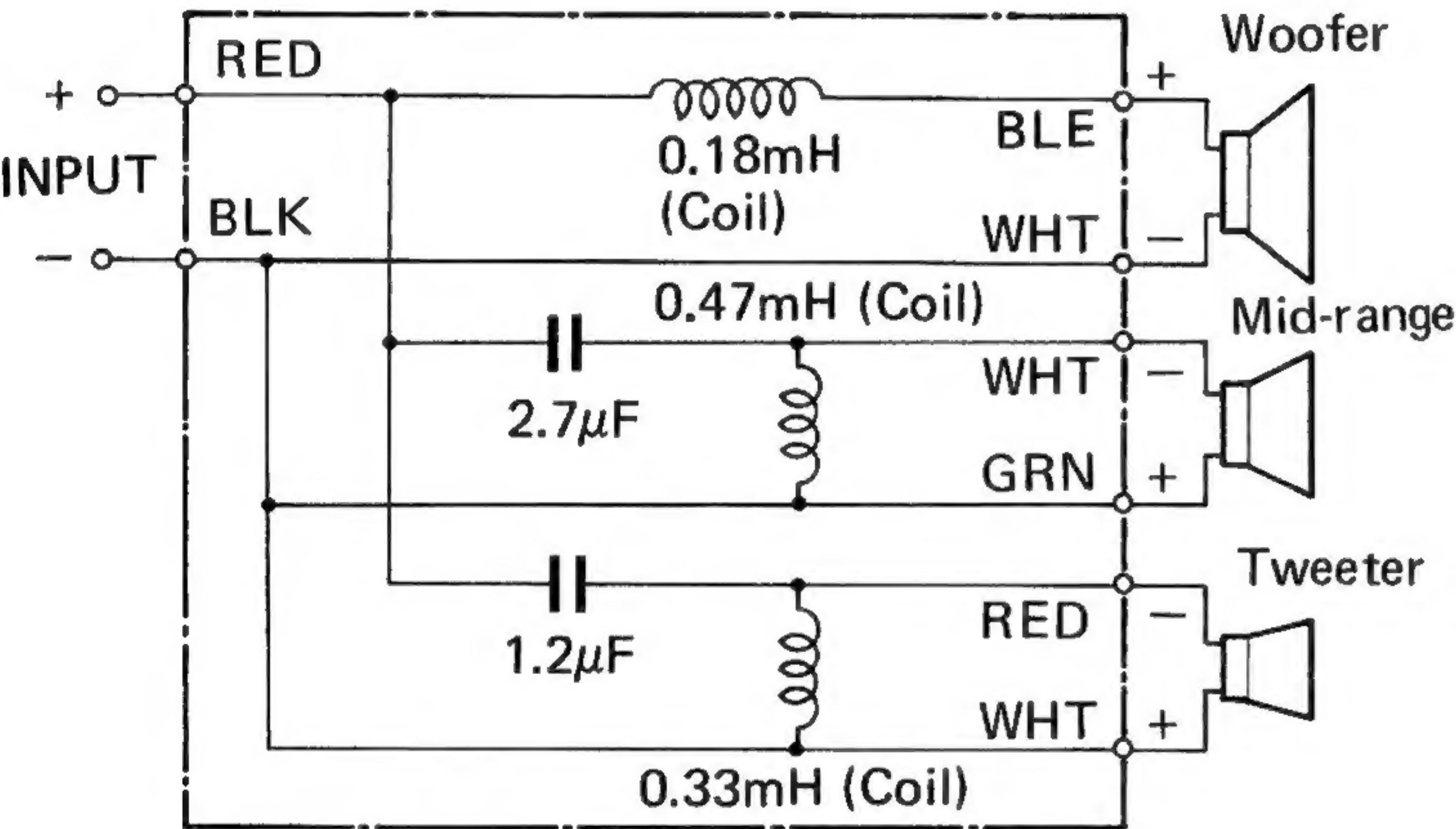
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Parts List

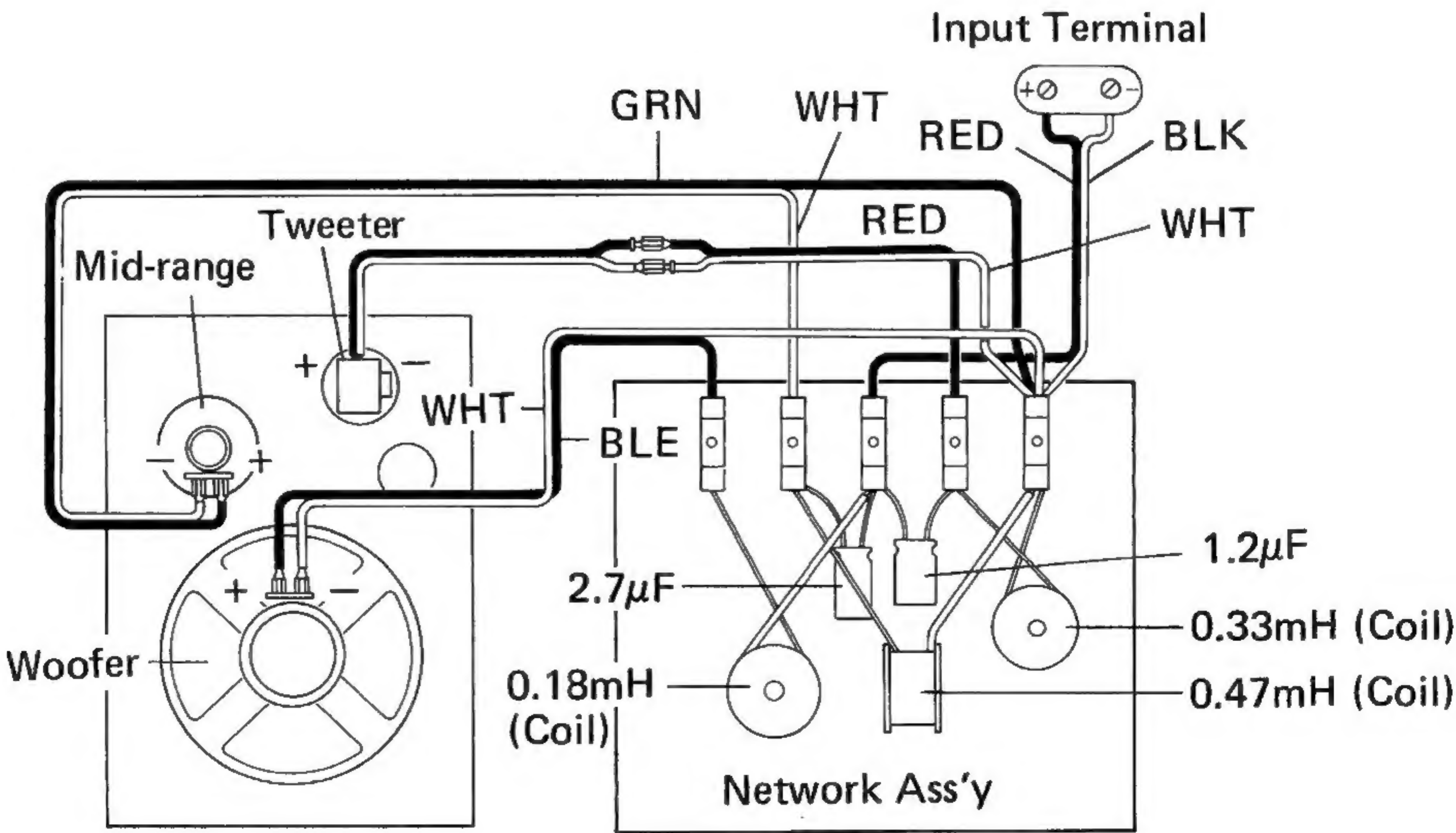
Mark	No.	Part No.	Description	Mark	No.	Part No.	Description
	1.	SMG-246	Grill		11.	SNK-538	Spacer
	2.	BYC40P200FZK	Screw		12.	SNK-592	Catch
★★	3.	PT-R01A	Tweeter		13.	SEC-401	Packing
★★	4.	SNK-618	Flange				
★★	5.	D66AP45-12F-Q	Mid-range				
★★	6.	25-755A	Woofer				
	7.	BYC50P250FZK	Screw				
	8.	SWN-290	Network assembly				
	9.	RWC31P130FZK	Screw				
	10.	SEC-443	Packing				

NETWORK ASSEMBLY (SWN-290)

■ Circuit Diagram



■ Wiring



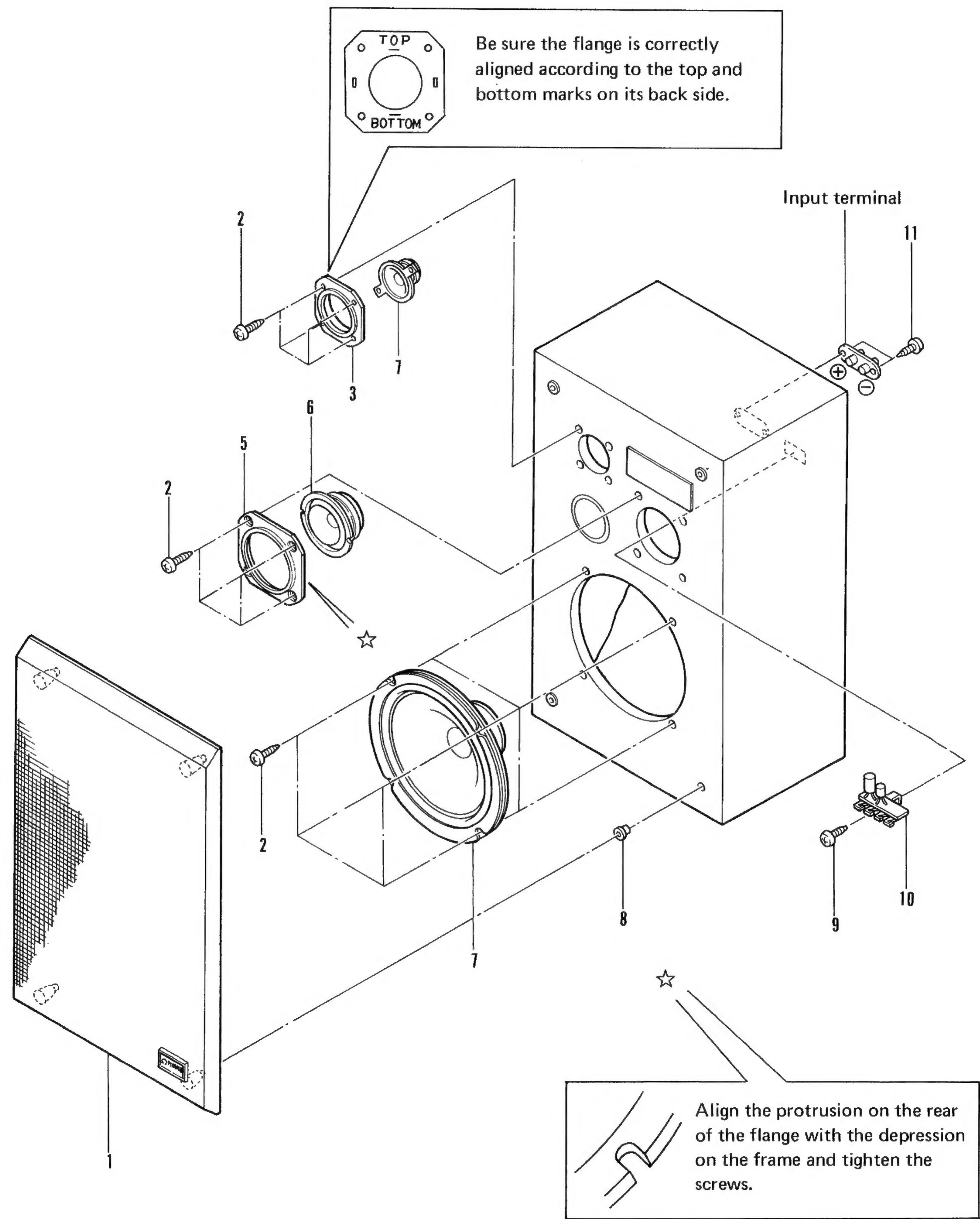
CS-303

■ Parts List

Mark	Part No.	Symbol & Description
	CES04 2R7K 63	Capacitor
	CES04 1R2K 63	Capacitor
	KKA-002	Input terminal

EXPLODED VIEW AND PARTS LIST

Exploded View



NOTES:

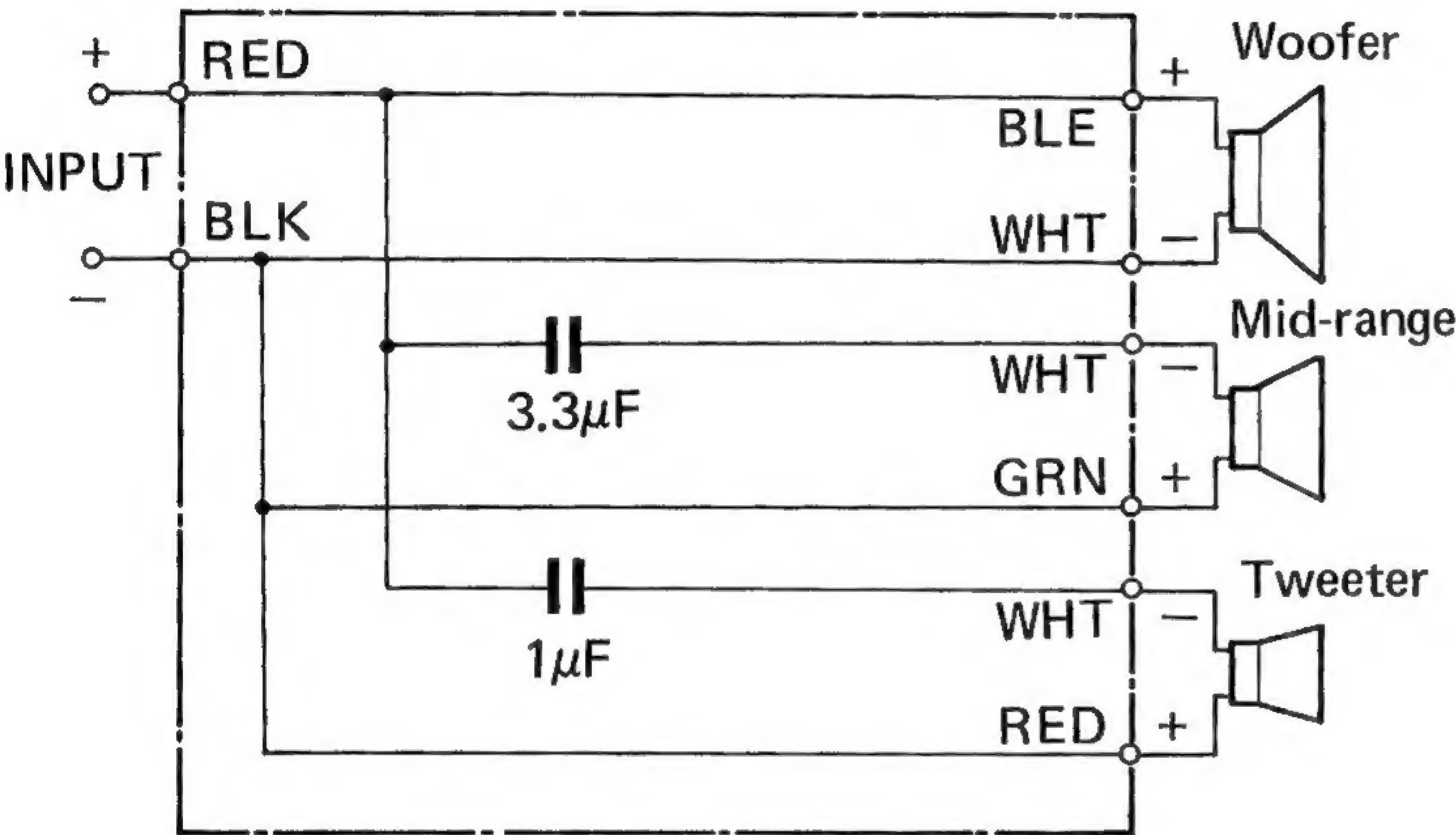
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Parts List

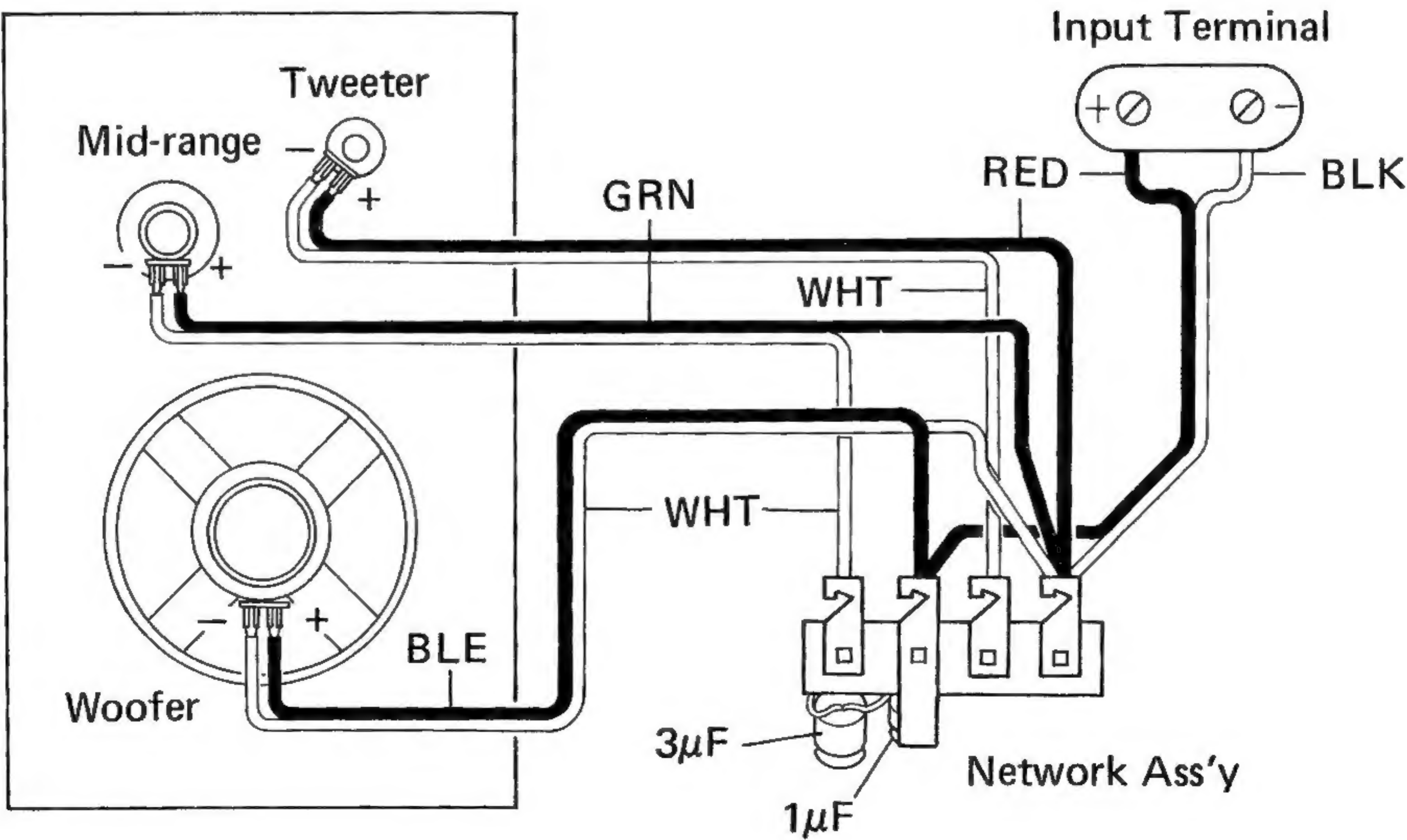
Mark	No.	Part No.	Description	Mark	No.	Part No.	Description
	1.	SMG-247	Grill		11.	RWC31P100FZK	Screw
	2.	BYC40P160FZK	Screw				
	3.	SNK-619	Flange				
★★	4.	B20EC70-12F-Q	Woofers				
	5.	SNK-618	Flange				
★★	6.	D66AP45-12F-Q	Mid-range				
★★	7.	A52AP13-06F-Q	Tweeter				
	8.	SNK-592	Catch				
	9.	RWC31P63FMC	Screw				
	10.	SWN-291	Network assembly				

NETWORK ASSEMBLY (SWN-291)

■ Circuit Diagram

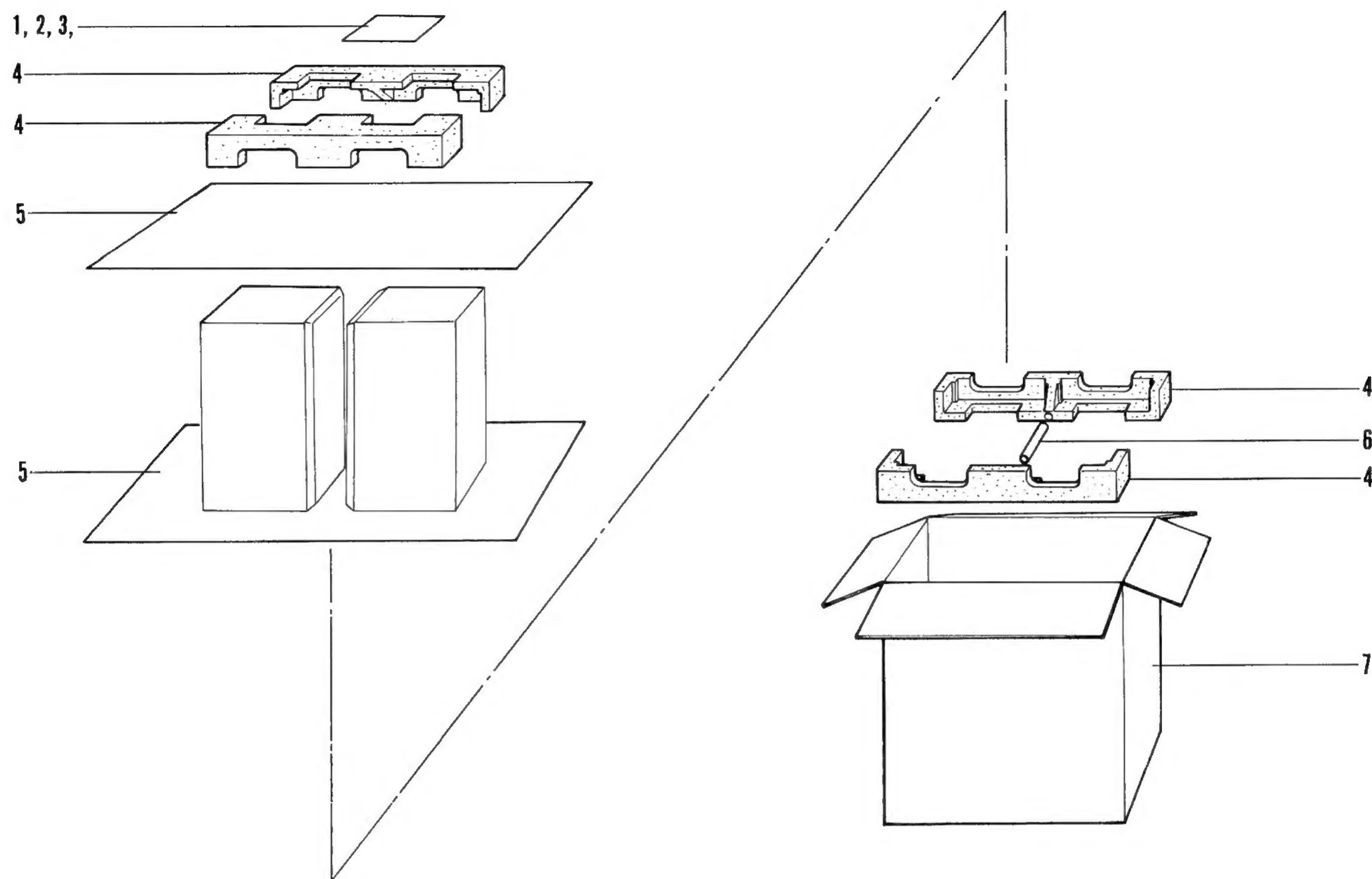


■ Wiring



PACKING VIEW AND PARTS LIST

Packing View



Parts List (CS-403)

Mark	No.	Part No.	Description
	1.	SHL-185	Vinyl bag
	2.	KDD-012	Service cord
	3.	SRB-272	Operating guide (English)
		SRD-016	Operating guide (English/German/French/Italian)
	4.	SHA-492	Corner pad
	5.	SHC-357	Protection mat
	6.		Joint pipe
	7.	SHG-478	Packing case (E model)
		SHG-508	Packing case (XC model)

Parts List (CS-203)

Mark	No.	Part No.	Description
	1.	SHL-185	Vinyl bag
	2.	KDD-012	Service cord
	3.	SRB-274	Operating guide (English)
		SRD-017	Operating guide (English/German/French/Italian)
	4.	SHA-493	Corner pad
	5.	SHC-359	Protection mat
	6.		Joint pipe
	7.	SHG-480	Packing case (E model)
		SHG-510	Packing case (XC model)

Parts List (CS-303)

Mark	No.	Part No.	Description
	1.	SHL-185	Vinyl bag
	2.	KDD-012	Service cord
	3.	SRB-273	Operating guide (English)
		SRD-018	Operating guide (English/German/French/Italian)
	4.	SHA-532	Corner pad
	5.	SHC-358	Protection mat
	6.		Joint pipe
	7.	SHG-479	Packing case (E model)
		SHG-509	Packing case (XC model)